

ABSTRACT OF THE DISCLOSURE

A porous sintered metal comprising voids at least partially communicating with each other, and pores provided in walls of the voids, the porous sintered metal having a BET surface area of $700 \text{ cm}^2/\text{cm}^3$ or more, and an average diameter of the pores being $1 \text{ }\mu\text{m}$ or more when measured by a mercury press-in method. The porous sintered metal is produced by blending a metal powder, a binder and resin particles to prepare a mixture in which the resin particles are dispersed; molding the mixture to provide a green body; selectively extracting the resin particles from the green body with a solvent; debinding the extracted green body by heating; and sintering the debound green body.